

# ABSTRACT

The invention concerns a flat thermionic emission  
5 screen (1) comprising a first substrate (2) on which  
are arranged an emission cathode (4) and an electron  
extraction grid (8), a second substrate (12) facing the  
first substrate (2) on which is arranged an anode (14)  
designed to collect the electrons emitted by the  
10 cathode (4), and an electronic control circuit of the  
anode (14) voltage comprising at least one commutation  
component (18, 20).

According to the invention, the commutation  
component (18,20) is built into the first substrate (2)  
15 and in the second substrate (12) of the screen (1).

Figure 6.